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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/901,153 | 07/10/2001 | Hyun-sook Kang | Q63309 | 5826 |

7590 05/02/2006

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
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| EXAMINER |
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SAM, PHIRIN

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| ART UNIT | PAPER NUMBER |
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2616

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|--------------------------------------|------------------------------------|--|
| Office Action Summary | Application No. 09/901,153 | Applicant(s) KANG ET AL. | |
| | Examiner Phirin Sam | Art Unit 2616 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3,4 and 8 is/are allowed.
- 6) ☒ Claim(s) 1,2,5-7,9,10,12-14 and 16-18 is/are rejected.
- 7) ☒ Claim(s) 11 and 15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.


Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office-action for a list of the certified copies not received.


PHIRIN SAM
PRIMARY EXAMINER

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 5-7, 9, 10, 12-14, and 16-18 are rejected under 35 U.S.C. 102(e) as being anticipated by US Pub. 2001/0002906 (hereinafter referred as “Rune”).

Rune discloses the invention (**amended claims 1, 5, 6, 9, and 13**) as claimed including a wireless communication device of a wireless communication system having at least one slave device, and a single master device that is connected to the slave device and that has information of addresses allocated to the slave devices (see Fig. 3), the wireless communication device comprising:

- (a) a transceiving unit for receiving an external data, and transmitting a transmission-destined signal (see Fig. 3, paragraph [0055], where the transceiver of the slave 1 receives the address (information) of the second slave B from the master M);
- (b) a controller which, when the wireless communication device is operated as a slave device connected to the single master device and the slave device intends to communicate with another slave device, generates a packet where an address of a destination slave device received from the single master device through the transceiving unit is recorded in a destination address region, and transmits the packet through the transceiving unit to the destination slave device only through the

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single master device (see Figs. 3 and 4, paragraphs [0057], [0063]-[0070], wherein the controller or packet processing of the slave A device generate the packet by including the slave B address);

(c) wherein the packet includes a destination address and a source address (see Figs. 2 and 3, paragraphs [0055]-[0056]).

Regarding claims 2, 7, 10, 12, 14, and 16, Rune discloses the controller records the address of the destination slave device in a header region of the packet (see Figs. 2-4, paragraphs [0055] and [0056]).

Regarding amended claim 17, Rune discloses A communication method for a wireless communication system having at least one slave device, and a master device that is connected to the at least one slave device and that has information of addresses allocated to the at least one slave device, the method comprising:

(a) the master device analyzing a packet received directly from a first slave device (see Fig. 3, paragraph [0057]);

(b) the master device transmitting the packet directly to a second slave device of a destination address, when an address recorded in a destination address region of the packet is the address of the second slave device (see Fig. 3, paragraph [0057]);

(c) wherein the packet includes the destination address and a source address (see Figs. 2-3, paragraphs [0055]-[0056]).

Regarding claim 18, Rune discloses the master device performs the analyzing and transmitting steps (see Fig. 3, paragraph [0057]).

Allowable Subject Matter

3. Claims 11 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
4. Claims 3, 4, and 8 are allowed.

Response to Arguments

5. Applicant's arguments with respect to claims 1-2, 5-7, 9, 10, 12-14, and 16-18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phirin Sam whose telephone number is (571) 272-3082. The examiner can normally be reached on a compress schedule, from 8:00-5:30, first Wed off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272 - 3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

Date: April 30, 2006

A handwritten signature in black ink, appearing to read 'Phirin', written over a horizontal line.

**PHIRIN SAM
PRIMARY EXAMINER**